

CLAIMS

1. A time/location based information delivery system, comprising:

a computer system, further comprising:

means to communicate with a computer network;

storage means for storing information related to individuals;

means to communicate with information providers;

input means to accept time/location information related to an individual, the times/location information having unique identifying information or an individual and information defining the location of the individual at a particular time;

means to select user specific information from the information providers based on the location of the individual at a particular time; and

means to communicate the user specific information to information output means;

an identification device, further comprising:

storage for storing unique identifying information;

means to transfer the unique identifying information to an information retrieval device; and

an information retrieval device, further comprising:

means to detect the presence of an identification device at a particular time and location;

means to retrieve the unique identifying information from the identification device;

means to communicate the unique identifying information and the time and location of detection to the computer system;

information output means, further comprising:

means to receive the user specific information; and

means to display specific information;

whereby information is automatically selected and communicated to an output device based on the location of the identification device at a specific time.

2. A system, as in claim 1, wherein the unique identifying information includes identification information and demographic/preference information.
3. A system, as in claim 1, wherein the identification device is an RFID device.

4. A system, as in claim 3, wherein the RFID device is encased in a credit card sized container.
5. A system, as in claim 3, wherein the identification device further comprises;

at least two RFID devices; and

each RFID device operates on a different frequency or band.
6. A system, as in claim 4, wherein the identification device further comprises;

at least two RFID devices; and

each RFID device operates on a different frequency or band.
7. A system, as in claim 1, wherein the information related to individuals includes information provided by an individual regarding demographic and personal preferences.
8. A system, as in claim 7, wherein the information related to individuals is used to select information provided by information providers.
9. A system, as in claim 8, wherein the identification device is an RFID device.
10. A system, as in claim 9, wherein the identification device further comprises;

at least two RFID devices; and

each RFID device operates on a different frequency or band.

11. A system, as in claim 10, wherein the RFID device is encased in a credit card sized container.
12. A system, as in claim 8, wherein the identification device is a wireless telephone.
13. A system, as in claim 8, wherein the identification device is a PDA.
14. A system, as in claim 8, wherein the identification device is a computer.
15. A system, as in claim 1, wherein the identification device is a wireless telephone.
16. A system, as in claim 1, wherein the identification device is a PDA.
17. A system, as in claim 1, wherein the identification device is a computer.
18. A time and location based information delivery system, comprising:

a computer system, further comprising:

means to communicate with a computer network;

storage means for storing information related to individuals;

means to communicate with information providers;

input means to accept time/location information related to an individual, the times/location information having unique identifying information or an individual and information defining the location of the individual at a particular time;

means to select user specific information from the information providers based on the location of the individual at a particular time; and

means to communicate the user specific information to information output means;

an identification device, further comprising:

storage for storing unique identifying information;

means to transfer the unique identifying information to an information retrieval device; and

an information retrieval device, further comprising:

means to detect the presence of an identification device at a particular time;

means to receive position information from GPS satellites;

means to retrieve the unique identifying information from the identification device;

means to communicate the unique identifying information, the time information, and the GPS satellite position information to the computer system;

information output means, further comprising:

means to receive the user specific information; and

means to display specific information;

whereby information is automatically selected and communicated to an output device based on the location of the identification device at a specific time.

19. A system, as in claim 18, wherein the identification device is a wireless telephone.

20. A system, as in claim 19, further comprising:

display means in the wireless telephone;

means to receive the user specific information; and

means to display the user specific information on the display means in the wireless telephone.

21. A system, as in claim 1, further comprising:

an information provider identification device, the information provider identification device having information identifying a particular information provider;

means to detect the movement information provider identification device as it moves through specific geographic locations, the movement of the information provider identification device defining a geographic area for which information from the information provider will be distributed;

means to distribute information provided by information providers only if an identification device is in a specific geographic area defined by the information provider identification device after the information provider has walked the area;

whereby an information provider can selectively determine the locations where information provider information can be distributed.

22. A system, as in claim 18, further comprising:

an information provider identification device, the information provider identification device having information identifying a particular information provider;

means to detect the movement of the information provider identification device as it moves through specific geographic locations, the movement of the information provider identification device defining the perimeter of a geographic area for which information from the information provider will be distributed;

means to distribute information provided by information providers only if an identification device is in a specific geographic area defined by the information provider identification device after the information provider has walked the area;

whereby an information provider can selectively determine a geographic area where information provider information can be distributed.

23. A system, as in claim 12, further comprising:

means in the computer system to direct dial the wireless telephone;

means to output user specific information directly to the wireless telephone.

24. A system, as in claim 15, further comprising:

means in the computer system to direct dial the wireless telephone;

means to output user specific information directly to the wireless telephone.

25. A system, as in claim 20, further comprising:

means in the computer system to direct dial the wireless telephone;

means to output user specific information directly to the wireless telephone.

26. A system, as in claim 1, wherein the information output device further comprises:

means to detect an identification device; and

means to initiate contact with the computer system, and download and display user specific information related to the identification device;

whereby an individual can access information related to that individual by using the identification device to identify the individual to the computer system.

27. A system, as in claim 18, wherein the information output device further comprises:

means to detect an identification device; and

means to initiate contact with the computer system, and download and display user specific information related to the identification device;

whereby an individual can access information related to that individual by using the identification device to identify the individual to the computer system.

28. A method of delivering focused information based on time and location, including the steps of:

storing information related to individuals;

acquiring information from information providers;

using an identification device to store unique identifying information related to an individual;

using an information retrieval device to detect an identification device when the identification device is within a predetermined geographic area;

transferring the unique identifying information to the information retrieval device;

transferring time/location information related to the time and location of the information retrieval device when the information retrieval device is detected; and

selecting user specific information from information providers based on the unique identifying information and the time and location information and transmitting that information to an output device associated with the identification device;

whereby information is automatically selected and communicated to an output device based on the location of the identification device at a specific time.

29. A method, as in claim 28, including the additional step of using an RFID device as the identification device.
30. A method, as in claim 29, including the additional step of encasing the RFID device in a credit card shaped container.
31. A method, as in claim 29, including the additional steps of:
- using at least two RFID devices; and
- operating different frequency or bands in each RFID device.

32. A method, as in claim 28, including the additional step of using a wireless telephone as the identification device.
33. A method, as in claim 28, including the additional step of using a PDA as the identification device.
34. A method, as in claim 28, including the additional step of using a computer as the identification device.
35. A method of delivering time and location based information to an individual, including the steps of:

storing information related to individuals;

detecting presence of an identifying device, the identifying device having unique identifying information;

obtaining information from information providers;

using GPS position information data to determine the location of the identifying device;

determining time/location information related to an individual, the times/location information having unique identifying information or an individual and information defining the location of the individual at a particular time;

selecting user specific information from the information providers based on the location of the individual at a particular time, and based on the unique identifying information; and

outputting the user specific information to an output device;

whereby information is automatically selected and communicated to an output device based on the location of the identification device at a specific time.

36. A method, as in claim 35, including the additional step of using a wireless telephone as the identification device.
37. A method, as in claim 35, including the additional step of using a PDA as the identification device.
38. A method, as in claim 35, including the additional step of using a computer as the identification device.

39. A method, as in claim 36, including the additional step of using a display in the wireless telephone as the output device.

40. A method, as in claim 35, including the additional steps of:

moving an information provider identification device which has information identifying a particular information provider through a geographic area;

detecting the information provider identification device as it moves through the geographic area;

defining the geographic area for which information from the information provider will be distributed based on the movement of the information provider identification device as it moves through the geographic area; and

distributing information provided by information providers only if an identification device is in a specific geographic area defined by the information provider identification device;

whereby an information provider can selectively determine the locations where information provider information can be distributed.

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A method, as in claim 28, including the additional steps of:

moving an information provider identification device which has information identifying a particular information provider through a geographic area;

detecting the information provider identification device as it moves through the geographic area;

defining the geographic area for which information from the information provider will be distributed based on the movement of the information provider identification device as it moves through the geographic area; and

distributing information provided by information providers only if an identification device is in a specific geographic area defined by the information provider identification device;

whereby an information provider can selectively determine the locations where information provider information can be distributed.

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A method, as in claim 28, including the additional steps of:

using the output device to detect an identification device;

initiating contact with the computer system from the output device when the identification device is detected; and

downloading and displaying user specific information related to the identification device;

whereby an individual can access information related to that individual by using the identification device to identify the individual to the computer system.

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A method, as in claim 32, including the additional steps to:

using the output device to detect an identification device;

initiating contact with the computer system from the output device when the identification device is detected; and

downloading and displaying user specific information related to the identification device;

whereby an individual can access information related to that individual by using the identification device to identify the individual to the computer system.

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A system, as in claim 3, wherein the RFID device is embedded in a credit card.

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A system, as in claim 10, wherein the RFID device is embedded in a credit card.

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A method, as in claim 29, including the additional step of embedding the RFID device in a credit card.

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A system, as in claim 2, wherein the demographic/preference information includes information describing types of information the individual does or does not want to receive;

whereby the individual can selectively filter received information.

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